Available online at www.sciencedirect.com
SCIENCE DIRECT®
ELSEVIER
Journal of Magnetism and Magnetic Materials 285 (2005) 456–459
Journal of magnetism and magnetic materials
www.elsevier.com/locate/jmmm

Author index to volume 285

Alleno, E., see Bérardan, D. 245
Antonov, A.S., see Buznikov, N.A. 101

Baberschke, K., see Rüdt, C. 95
Babonas, G.-J., see Szymczak, H. 386
Bakrim, H., K. Bouslykhane, M. Hamedoun, A. Hourmatallah and N. Benzakour, Exchange integrals and magnetic short range order in the system $CdCr_{2-x}Ga_xSe4$ ($0 \leqslant x \leqslant 0.06$) 327
Bakuzis, A.F. and P.C. Morais, Superferromagnetism on a two-dimensional array of magnetic nanodots: an Ising model approximation 145
Baran, M., see Szymczak, H. 386
Baran, S., Ł. Gondek, J. Hernandez-Velasco, D. Kaczorowski and A. Szytuła, Magnetic ordering in $HoFe_{0.33}Ge_2$ 188
Baran, S., see Gondek, Ł. 272
Barbosa, L.P., H. Takiishi, L.F.C.P. Lima and R.N. Faria, Effect of boron content on magnetic properties and microstructure of PrFeCoBNb HDDR permanent magnets 290
Beleggia, M. and M. De Graef, General magnetostatic shape–shape interactions L1
Bensebaa, F., see Zavaliche, F. 204
Benzakour, N., see Bakrim, H. 327
Berkowitz, A.E., see Hong, J.I. 359
Bhattacharya, A.K., see Chakraborty, M. 210
Bhaumik, A., see Giri, S. 296
Bhobe, P.A., see Efrem D'Sa, J.B.C. 267
Bollero, A., M. Ziese, R. Höhne, H.C. Semmelhack, U. Köhler, A. Setzer and P. Esquinazi, Influence of thickness on microstructural and magnetic properties in Fe_3O_4 thin films produced by PLD 279
Bombik, A., B. Leśniewska and A.W. Pacyna, Temperature phase transitions of powder $ErFe_{1-x}Al_xO_3$ and $ErFe_{1-x}Ga_xO_3$ solid solutions 11
Bormio-Nunes, C., see Sato Turtelli, R. 395
Bouslykhane, K., see Bakrim, H. 327
Bérardan, D., E. Alleno and C. Godart, Rare earth valence and paramagnetic properties of the skutterudites $Ce_{1-z}Yb_zFe_4Sb_{12}$, $Ba_yFe_4Sb_{12}$ and $La_yFe_4Sb_{12}$ 245
Buznikov, N.A. and K.N. Rozanov, The effect of stripe domain structure on dynamic permeability of thin ferromagnetic films with out-of-plane uniaxial anisotropy 314
Buznikov, N.A., A.S. Antonov, C. Kim, C.-O. Kim, A.A. Rakhmanov and S.-S. Yoon, The effect of domain-walls motion on second harmonic amplitude of magnetoinductive response in Co-based amorphous wires 101

Cai, T.-Y., Y.-J. Chen, X.-Y. Zhang and Z.-Y. Li, Inverse magnetoresistance in half-metallic granular mixture 88
Canepa, F., M. Napoletano, C. Lefèvre and G. Venturini, A magnetisation study of $TmMn_6Sn_{6-x}Ga_x$ single crystals ($0.15 \leqslant x \leqslant 1.90$) 254
Cao, S., see Liu, Y. 138
Chakraborty, M., A. Mookerjee and A.K. Bhattacharya, Magnetism in surfaces: an orbital-resolved study 210
Chandra, K., see Singhal, S. 193
Chau, N., see Phan, M.-H. 199
Chen, J.S., see Ding, Y.F. 443
Chen, L.F., see Wu, L.Z. 233
Chen, Y.-J., see Cai, T.-Y. 88
Chen, Y.J., see Fan, L.N. 353
Cheng, Z., see Ma, X. 439
Chong, T.C., see Zhong, Z.W. 433
Cochrane, R.W., see Zavaliche, F. 204

Da, H.X., C. Xu and Z.Y. Li, Negative refractive index of layered nonmagnetic/magnetic composites 155
Das, A., see Efrem D'Sa, J.B.C. 267
De Graef, M., see Beleggia, M. L1
Dho, J., E.K. Lee, J.Y. Park and N.H. Hur, Effects of the grain boundary on the coercivity of barium ferrite BaFe12O19 164
Di, N., see Ma, X. 439
Diduszko, R., see Szymczak, H. 386
Ding, J., see Yi, J.B. 224
Ding, J., see Wu, L.Z. 233
Ding, Y.F., J.S. Chen, E. Liu and J.P. Wang, Dependence of microstructure and magnetic properties of FePt films on $Cr_{90}Ru_{10}$ underlayers 443
Do, Y.H., see Yoon, K.S. 125
Dong, H.-N., see Wu, S.-Y. 169
Dong, Z.L., see Yi, J.B. 224
Duan, L., see Sun, Y. 65
DuanMu, Y., see Sun, Y. 65
Duc Tho, N., see Phan, M.-H. 199

doi: 10.1016/S0304-8853(04)01524-0

Available online at www.sciencedirect.com
SCIENCE DIRECT®
ELSEVIER
Journal of Magnetism and Magnetic Materials 285 (2005) 456–459
Journal of magnetism and magnetic materials
www.elsevier.com/locate/jmmm

Author index to volume 285

Alleno, E., see Bérardan, D. 245
Antonov, A.S., see Buznikov, N.A. 101

Baberschke, K., see Rüdt, C. 95
Babonas, G.-J., see Szymczak, H. 386
Bakrim, H., K. Bouslykhane, M. Hamedoun, A. Hourmatallah and N. Benzakour, Exchange integrals and magnetic short range order in the system $CdCr_{2-x}Ga_xSe4$ ($0 \leqslant x \leqslant 0.06$) 327
Bakuzis, A.F. and P.C. Morais, Superferromagnetism on a two-dimensional array of magnetic nanodots: an Ising model approximation 145
Baran, M., see Szymczak, H. 386
Baran, S., Ł. Gondek, J. Hernandez-Velasco, D. Kaczorowski and A. Szytuła, Magnetic ordering in $HoFe_{0.33}Ge_2$ 188
Baran, S., see Gondek, Ł. 272
Barbosa, L.P., H. Takiishi, L.F.C.P. Lima and R.N. Faria, Effect of boron content on magnetic properties and microstructure of PrFeCoBNb HDDR permanent magnets 290
Beleggia, M. and M. De Graef, General magnetostatic shape–shape interactions L1
Bensebaa, F., see Zavaliche, F. 204
Benzakour, N., see Bakrim, H. 327
Berkowitz, A.E., see Hong, J.I. 359
Bhattacharya, A.K., see Chakraborty, M. 210
Bhaumik, A., see Giri, S. 296
Bhobe, P.A., see Efrem D'Sa, J.B.C. 267
Bollero, A., M. Ziese, R. Höhne, H.C. Semmelhack, U. Köhler, A. Setzer and P. Esquinazi, Influence of thickness on microstructural and magnetic properties in Fe_3O_4 thin films produced by PLD 279
Bombik, A., B. Leśniewska and A.W. Pacyna, Temperature phase transitions of powder $ErFe_{1-x}Al_xO_3$ and $ErFe_{1-x}Ga_xO_3$ solid solutions 11
Bormio-Nunes, C., see Sato Turtelli, R. 395
Bouslykhane, K., see Bakrim, H. 327
Bérardan, D., E. Alleno and C. Godart, Rare earth valence and paramagnetic properties of the skutterudites $Ce_{1-z}Yb_zFe_4Sb_{12}$, $Ba_yFe_4Sb_{12}$ and $La_yFe_4Sb_{12}$ 245
Buznikov, N.A. and K.N. Rozanov, The effect of stripe domain structure on dynamic permeability of thin ferromagnetic films with out-of-plane uniaxial anisotropy 314
Buznikov, N.A., A.S. Antonov, C. Kim, C.-O. Kim, A.A. Rakhmanov and S.-S. Yoon, The effect of domain-walls motion on second harmonic amplitude of magnetoinductive response in Co-based amorphous wires 101

Cai, T.-Y., Y.-J. Chen, X.-Y. Zhang and Z.-Y. Li, Inverse magnetoresistance in half-metallic granular mixture 88
Canepa, F., M. Napoletano, C. Lefèvre and G. Venturini, A magnetisation study of $TmMn_6Sn_{6-x}Ga_x$ single crystals ($0.15 \leqslant x \leqslant 1.90$) 254
Cao, S., see Liu, Y. 138
Chakraborty, M., A. Mookerjee and A.K. Bhattacharya, Magnetism in surfaces: an orbital-resolved study 210
Chandra, K., see Singhal, S. 193
Chau, N., see Phan, M.-H. 199
Chen, J.S., see Ding, Y.F. 443
Chen, L.F., see Wu, L.Z. 233
Chen, Y.-J., see Cai, T.-Y. 88
Chen, Y.J., see Fan, L.N. 353
Cheng, Z., see Ma, X. 439
Chong, T.C., see Zhong, Z.W. 433
Cochrane, R.W., see Zavaliche, F. 204

Da, H.X., C. Xu and Z.Y. Li, Negative refractive index of layered nonmagnetic/magnetic composites 155
Das, A., see Efrem D'Sa, J.B.C. 267
De Graef, M., see Beleggia, M. L1
Dho, J., E.K. Lee, J.Y. Park and N.H. Hur, Effects of the grain boundary on the coercivity of barium ferrite BaFe12O19 164
Di, N., see Ma, X. 439
Diduszko, R., see Szymczak, H. 386
Ding, J., see Yi, J.B. 224
Ding, J., see Wu, L.Z. 233
Ding, Y.F., J.S. Chen, E. Liu and J.P. Wang, Dependence of microstructure and magnetic properties of FePt films on $Cr_{90}Ru_{10}$ underlayers 443
Do, Y.H., see Yoon, K.S. 125
Dong, H.-N., see Wu, S.-Y. 169
Dong, Z.L., see Yi, J.B. 224
Duan, L., see Sun, Y. 65
DuanMu, Y., see Sun, Y. 65
Duc Tho, N., see Phan, M.-H. 199

doi: 10.1016/S0304-8853(04)01524-0

Duraj, R., A. Szytuła, C. Lefèvre and G. Venturini, Pressure effect on some magnetic properties of the $HfFe_6Ge_6$-type $ScMn_6Sn_{5.45}In_{0.55}$, $YMn_6Sn_{5.65}In_{0.35}$ and $LuMn_6Sn_{5.1}In_{0.9}$ compounds 183

Eckert, J., see Sato Turtelli, R. 395
Efrem D'Sa, J.B.C., P.A. Bhobe, K.R. Priolkar, A. Das, S.K. Paranjpe, R.B. Prabhu and P.R. Sarode, Low-temperature neutron diffraction study of MnTe 267
Egelhoff Jr., W.F., see Hong, J.I. 359
Esquinazi, P., see Bollero, A. 279

Fan, L.N., Y.J. Chen, X.Y. Zhang and D.L. Yao, Influence of ultrasonic treatment on magnetotransport of CrO_2 granular compacts 353
Faria, R.N., see Lima, L.F.C.P. 112
Faria, R.N., see Barbosa, L.P. 290
Fink-Finowicki, J., see Szymczak, H. 386
Freeman, B., see Zhong, Z.W. 433

Galkin, V.Y., W.A. Ortiz and V.V. Tugushev, Spin density wave glass in Cr dilute alloys with Fe and Co 39
Ganguli, S., see Giri, S. 296
Gao, R.W., see Liu, H.Q. 23
Garg, A.N., see Singhal, S. 193
Giesen, F., see Korn, T. 240
Giri, S., S. Samanta, S. Maji, S. Ganguli and A. Bhaumik, Magnetic properties of α-Fe_2O_3 nanoparticle synthesized by a new hydrothermal method 296
Godart, C., see Bérardan, D. 245
Gondek, Ł., S. Baran, A. Szytuła, D. Kaczorowski and J. Hernández-Velasco, Crystal and magnetic structures of RPdIn (R = Nd, Ho, Er) compounds 272
Gondek, Ł., see Baran, S. 188
Gong, S.J. and Q. Jiang, The inherent magnetoelectric properties in the three-dimensional ferroelectromagnetic system 367
González-Angeles, A., G. Mendoza-Suárez, A. Grusková, J. Lipka, M. Papánová and J. Sláma, Effect of (Ni, Zn)Ru mixtures on magnetic properties of barium hexaferrites yielded by high-energy milling 450
Grössinger, R., see Sato Turtelli, R. 395
Grujicic, D. and B. Pesic, Micromagnetic studies of cobalt microbars fabricated by nanoimprint lithography and electrodeposition 303
Grundler, D., see Korn, T. 240
Grusková, A., see González-Angeles, A. 450
Gu, N., see Sun, Y. 65
Guo, Z., see Sun, Y. 65

Hamedoun, M., see Bakrim, H. 327
Han, G.B., see Liu, H.Q. 23
Hernandez-Velasco, J., see Baran, S. 188
Hernández-Velasco, J., see Gondek, Ł. 272
Höhne, R., see Bollero, A. 279
Hong, J.I., S. Sankar, A.E. Berkowitz and W.F. Egelhoff Jr., On the perpendicular anisotropy of Co/Pd multilayers 359
Hong, J.P., see Yoon, K.S. 125
Hourmatallah, A., see Bakrim, H. 327
Hur, N.H., see Dho, J. 164

Jia, G., see Liu, Y. 138
Jiang, H.B., see Wu, L.Z. 233
Jiang, Q., see Gong, S.J. 367
Jing, C., see Liu, Y. 138

Kaczorowski, D., see Baran, S. 188
Kaczorowski, D., see Gondek, Ł. 272
Köhler, U., see Bollero, A. 279
Kim, C., see Buznikov, N.A. 101
Kim, C.-O., see Buznikov, N.A. 101
Kim, C.O., see Yoon, K.S. 125
Kim, K.W., see Yoon, K.S. 125
Kitagawa, K., see Yamada, Y. 28
Klevets, N.I., Synthesis of magnetic systems producing field with maximal scalar characteristics 401
Koo, J.H., see Yoon, K.S. 125
Korn, T., F. Giesen, J. Podbielski, D. Ravlic, C. Schueller and D. Grundler, Time-resolved study of the increased magnetization precession frequency in Fe wires 240
Kou, Z., see Ma, X. 439
Kumar, A. and A. Misra, Shape anisotropy of magnetic field generation during tensile fracture in steel 71
Kumar, G., see Sato Turtelli, R. 395

L'Ecuyer, P., see Zavaliche, F. 204
Lee, E.K., see Dho, J. 164
Lefèvre, C., see Duraj, R. 183
Lefèvre, C., see Canepa, F. 254
Leśniewska, B., see Bombik, A. 11
Li, M.H., see Zhong, Z.W. 433
Li, Q., see Ma, X. 439
Li, Y., see Wang, S.C. 177
Li, Z.-Y., see Cai, T.-Y. 88
Li, Z.Y., see Da, H.X. 155
Lima, L.F.C.P., H. Takiishi and R.N. Faria, Dynamic mechanical analysis of copper-containing magnetic Pr–Fe–B alloys 112
Lima, L.F.C.P., see Barbosa, L.P. 290
Lipka, J., see González-Angeles, A. 450
Liu, B.H., see Yi, J.B. 224
Liu, E., see Ding, Y.F. 443
Liu, H.Q., B. Wang, G.B. Han and R.W. Gao, Grain alignment and microstructure of $(Nd,Dy)_{12.8}(Fe,M)_{80.7}B_{6.5}$ by strip casting 23
Liu, J.-M., see Wang, K.F. 130
Liu, L.P., see Wang, R.L. 55
Liu, Y., J. Zhang, L. Yu, G. Jia, C. Jing and S. Cao, Magnetic and frequency properties for nanocrystalline Fe–Ni alloys prepared by high-energy milling method 138
Liu, Y., see Yi, J.B. 224
Liu, Y., see Xiong, F. 410

Ma, M., see Sun, Y. 65
Ma, X., Z. Kou, N. Di, Z. Cheng and Q. Li, Effects of Dy^{3+} ions on the magnetic and transport properties of $La_{1.3-x}Dy_xSr_{1.7}Mn_2O_7$ 439
Ma, Y.Q., see Yang, J. 417
Maji, S., see Giri, S. 296
Malicka, E., see Skrzypek, D. 379
Mendoza-Suárez, G., see González-Angeles, A. 450
Mészáros, I., see Vértesy, G. 335
Misra, A., see Kumar, A. 71
Mookerjee, A., see Chakraborty, M. 210
Morais, P.C., see Bakuzis, A.F. 145

Nakamura, K., see Yamada, Y. 28
Nakamura, T., see Yamada, Y. 28
Napoletano, M., see Canepa, F. 254
Nossov, A., see Rinkevich, A. 118

Obara, G., see Yamada, Y. 28
Okonska-Kozlowska, I., see Skrzypek, D. 379
Ong, C.K., see Wu, L.Z. 233
Ortiz, W.A., see Galkin, V.Y. 39

Pacyna, A.W., see Bombik, A. 11
Pagounis, E., see Xiong, F. 410
Pan, C.T. and S.C. Shen, Magnetically actuated bi-directional microactuators with permalloy and Fe/Pt hard magnet 422
Papánová, M., see González-Angeles, A. 450
Paranjpe, S.K., see Efrem D'Sa, J.B.C. 267
Park, J.Y., see Dho, J. 164
Peng, H.-X., see Phan, M.-H. 199
Pereira, A.R., Heisenberg spins on a circular conical surface 60
Pesic, B., see Grujicic, D. 303
Phan, M.-H., H.-X. Peng, S.-C. Yu, N. Duc Tho and N. Chau, Large magnetic entropy change in Cu-doped manganites 199
Podbielski, J., see Korn, T. 240
Pogossian, S.P., see Spenato, D. 79
Prabhu, R.B., see Efrem D'Sa, J.B.C. 267
Priolkar, K.R., see Efrem D'Sa, J.B.C. 267

Rakhmanov, A.A., see Buznikov, N.A. 101
Ravlic, D., see Korn, T. 240
Rinkevich, A., A. Nossov, V. Vassiliev and E. Vladimirova, Penetration of electromagnetic field through $La_{0.75}Pb_{0.25}MnO_3$. Magnetic phase transition studies 118
Rozanov, K.N., see Buznikov, N.A. 314
Rüdt, C., A. Scherz and K. Baberschke, Oscillatory Curie temperature in ultrathin ferromagnets: experimental evidence 95

Samanta, S., see Giri, S. 296
Sankar, S., see Hong, J.I. 359
Sarode, P.R., see Efrem D'Sa, J.B.C. 267
Sato Turtelli, R., C. Bormio-Nunes, G. Kumar, R. Grössinger, J. Eckert and L. Schultz, Magnetostriction of hard magnetic $Nd_{80}Fe_{20}$ mold-cast rod 395
Scherz, A., see Rüdt, C. 95
Schueller, C., see Korn, T. 240
Schultz, L., see Sato Turtelli, R. 395
Semmelhack, H.C., see Bollero, A. 279
Setzer, A., see Bollero, A. 279
Shen, S.C., see Pan, C.T. 422
Singhal, S., A.N. Garg and K. Chandra, Evolution of the magnetic properties during the thermal treatment of nanosize $BaMFe_{11}O_{19}$ (M = Fe, Co, Ni and Al) obtained through aerosol route 193
Skrzypek, D., I. Okonska-Kozlowska, K. Szamocka and E. Malicka, ESR study of new layered semiconductor $Ga_2Cr_{1.33}Se_5$ 379
Sláma, J., see González-Angeles, A. 450
Song, W.H., see Yang, J. 417
Spenato, D. and S.P. Pogossian, Hysteretic resonance frequencies and magnetization reversal in exchange biased polycrystalline F/AF bilayers 79
Sun, Y., L. Duan, Z. Guo, Y. DuanMu, M. Ma, L. Xu, Y. Zhang and N. Gu, An improved way to prepare superparamagnetic magnetite-silica core-shell nanoparticles for possible biological application 65
Sun, Y.P., see Yang, J. 417
Szamocka, K., see Skrzypek, D. 379
Szymczak, H., M. Baran, G.-J. Babonas, R. Diduszko, J. Fink-Finowicki and R. Szymczak, Magnetic properties of $La_{1-x}Ca_xCoO_3$ single crystals 386
Szymczak, R., see Szymczak, H. 386
Szytuła, A., see Duraj, R. 183
Szytuła, A., see Baran, S. 188
Szytuła, A., see Gondek, Ł. 272

Takiishi, H., see Lima, L.F.C.P. 112
Takiishi, H., see Barbosa, L.P. 290
Tomáš, I., see Vértesy, G. 335
Tugushev, V.V., see Galkin, V.Y. 39

Vassiliev, V., see Rinkevich, A. 118
Venkataiah, G. and P. Venugopal Reddy, Electrical behavior of sol–gel prepared $Nd_{0.67}Sr_{0.33}MnO_3$ manganite system 343
Venturini, G., see Duraj, R. 183
Venturini, G., see Canepa, F. 254
Venugopal Reddy, P., see Venkataiah, G. 343
Veres, T., see Zavaliche, F. 204
Vladimirova, E., see Rinkevich, A. 118
Vértesy, G., I. Mészáros and I. Tomáš, Nondestructive indication of plastic deformation of cold-rolled stainless steel by magnetic minor hysteresis loops measurement 335

Wang, B., see Liu, H.Q. 23
Wang, J.P., see Ding, Y.F. 443

Wang, K.F., Q. Xiao, H. Yu, M. Zeng, M.F. Zhang and J.-M. Liu, Magneto-transport and specific heat behavior of Cd-doped $La_{0.5}Ca_{0.5}MnO_3$ 130
Wang, R.L., Z.J. Zhao, L.P. Liu, W.Z. Yuan and X.L. Yang, Giant magneto-impedance effect on nanocrystalline microwires with conductive layer deposit 55
Wang, S.C. and Y. Li, In situ TEM study of Nd-rich phase in NdFeB magnet 177
White, T., see Yi, J.B. 224
Wu, L.Z., J. Ding, H.B. Jiang, L.F. Chen and C.K. Ong, Particle size influence to the microwave properties of iron based magnetic particulate composites 233
Wu, S.-Y. and H.-N. Dong, Theoretical investigations of the spin Hamiltonian parameters for the two trigonal Cr^{3+} centers in GASH 169

Xiao, Q., see Wang, K.F. 130
Xiong, F., Y. Liu and E. Pagounis, Fracture mechanism of a Ni–Mn–Ga ferromagnetic shape memory alloy single crystal 410
Xu, C., see Da, H.X. 155
Xu, L., see Sun, Y. 65
Xu, X.W., see Zhong, Z.W. 433

Yamada, Y., K. Nakamura, K. Kitagawa, G. Obara and T. Nakamura, Magnetic properties of C14 Laves phase $Ti(Fe_{1-x}T_x)_2$ with T = Mn, Co and Ni ($x \leqslant 0.6$) 28
Yang, J., W.H. Song, Y.Q. Ma, R.L. Zhang and Y.P. Sun, Determination of oxygen stoichiometry in the mixed-valent manganites 417
Yang, X.L., see Wang, R.L. 55
Yao, D.L., see Fan, L.N. 353
Yi, J.B., J. Ding, B.H. Liu, Z.L. Dong, T. White and Y. Liu, Exchange bias and magnetization process of Co/CoO nanocomposite thin films 224
Yoon, K.S., J.H. Koo, Y.H. Do, K.W. Kim, C.O. Kim and J.P. Hong, Performance of $Fe_3O_4/AlO_x/CoFe$ magnetic tunnel junctions based on half-metallic Fe_3O_4 electrodes 125
Yoon, S.-S., see Buznikov, N.A. 101
Yu, H., see Wang, K.F. 130
Yu, L., see Liu, Y. 138
Yu, S.-C., see Phan, M.-H. 199
Yuan, S.N., see Zhong, Z.W. 433
Yuan, W.Z., see Wang, R.L. 55

Zavaliche, F., F. Bensebaa, P. L'Ecuyer, T. Veres and R.W. Cochrane, The role of non-collinear spins on the magnetic properties of uncoupled nanometer-size particles 204
Zeng, M., see Wang, K.F. 130
Zhang, G.Y., see Zhong, Z.W. 433
Zhang, J., see Liu, Y. 138
Zhang, M.F., see Wang, K.F. 130
Zhang, R.L., see Yang, J. 417
Zhang, X.-Y., see Cai, T.-Y. 88
Zhang, X.Y., see Fan, L.N. 353
Zhang, Y., see Sun, Y. 65
Zhao, Z.J., see Wang, R.L. 55
Zhong, Z.W., X.W. Xu, T.C. Chong, S.N. Yuan, M.H. Li, G.Y. Zhang and B. Freeman, HoYbBIG epitaxial thick films used for Faraday rotator in the 1.55 μm band 433
Ziese, M., see Bollero, A. 279

Available online at www.sciencedirect.com
SCIENCE DIRECT®
ELSEVIER
Journal of Magnetism and Magnetic Materials 285 (2005) 460–461
Journal of magnetism and magnetic materials
www.elsevier.com/locate/jmmm

Subject index to volume 285

Adiabatic small polaron hopping 343
Alignment degree 23
Amorphous 177
Amorphous wires 101
Antiferromagnet 267
Antiferromagnetism 28
Asymmetric reversal 224

B-spinel 327

Cluster glass 386
Clusters 145
Cobaltites 386
Coercivity 164, 193
Colossal magnetoresistance 130, 343
Commensurate SDW 39
Complex magnetic permeability 233
CoO/Co nanocomposite 224
Core-shell 65
Correlation functions 327
Cr^{3+} 169
$Cr_{90}Ru_{10}$ underlayer 443
Critical exponents 327
Critical temperature 327
Crystal fields and spin Hamiltonians 169
Cu-doped manganites 199
Curved surfaces 60

Degree of necking 71
DMA 112
Domain walls 101

Eddy current 55
Effective refractive index 155
Electrodeposited cobalt 303
Electron spin resonance 379
Electron-nuclear double resonance (ENDOR) 169
Electronic phase separation 130
Electron–magnon scattering 343
Electroplating 422
Exchange bias 79, 224
Exchange interactions 379
Excimer laser 422
Extraordinary Hall effect 224

Faraday rotation 433
Fe 240
FePt film 443
Ferrites 164
Ferroelectromagnet 367
Ferromagnetic material 335
Ferromagnetic resonance 79, 314
Ferromagnetism 28
Fine particle systems 145
Fracture 410

Giant magneto-impedance 55
Glass-coated 55
Grain 23
Granular composites 88
Guanidinium aluminum sulfate hexahydrate (GASH) 169

Half-metal 88
Hard magnet 422
Heisenberg model 327
Helical anisotropy 101
Hexagonal ferrites 450
Hot pressing 112
Hydrides 290
Hysteresis—magnetic 335

Impurity structures 169
Incommensurate 39
Interfacial alloy 359
Intermetallics 188
Inverse magnetoresistance 88
Iron oxide 296
Iron-based powder 233
Irreversibility 204
Ising 145
Itinerant magnetism 245

Laser ablation 279
Lattice twin 410
Laves phase compound 28
Layered nonmagnetic/magnetic composite 155
Layered structure compound 379
Left-handed material 155

Low-dimensional magnetic systems 379
LPE thick film 433

Magnetic alloys 112
Magnetic entropy 199
Magnetic field 71, 401
Magnetic force microscopy 303
Magnetic garnet 433
Magnetic interaction 439
Magnetic irreversibility 39
Magnetic materials 60, 290, 296
Magnetic measurements 11
Magnetic microbar 303
Magnetic nanoparticles L1
Magnetic phase diagram 28
Magnetic properties 279, 290, 450
Magnetic refrigeration 199
Magnetic semiconductor 267
Magnetic shape memory (MSM) effect 410
Magnetic structure 267, 272
Magnetic susceptibility 327
Magnetic system 401
Magnetic transition 183
Magnetic vortex 303
Magnetically ordered materials 164, 188
Magnetite 65, 279
Magnetization 204, 296, 401, 410
Magnetization curves 335
Magnetization dynamics 240
Magnetization measurement 28
Magnetization reversal 79, 303
Magnetization-temperature dependence 395
Magneto-optics 240
Magnetocrystalline anisotropy 254
Magnetoelectric 367
Magnetoinductive effect 101
Magnetoresistance 224, 353, 439
Magnetostatic energy L1
Magnetostriction 395
Manganese compounds 183, 254
Manganites 118, 130
Martensitic transformation 410
Mean-field theory 367
Metal–insulator transition 439

doi:10.1016/S0304-8853(04)01525-2

Microactuator 422
Micromagnetic modeling 303
Microstructure 23
Microwave 314
Mixed-valent manganites 417
MnTe 267
Mössbauer 296
Mössbauer spectra 193, 450
Multilayers 359

Nano-particle 204
Nanocrystalline 55
Nanocrystalline Fe–Ni alloy, Magnetism materials, Frequency property, High-energy ball milling 138
Nanomaterials 296, 343
Nanoparticles 65
Nanosize 193
Nd-rich phase 177
NdFeB magnet 177
Nd–Fe–B 23
Neutron diffraction 188, 267
Neutron powder diffraction 272
NMR measurement 28
Nondestructive testing 335

Optical isolator 433
Optimization 401
Orbital resolved magnetism 210
Oxygen stoichiometry 417

Paramagnetism 245
Permalloy 422
Permanent magnet 401
Permeability 314
Perpendicular magnetic anisotropy 359
Phase transitions 95
Powder 204
Pr-based alloys 290
Preferred orientation 443
Pressure effect. 183
PrFeBCu magnets 112
Pulsed magnetic fields 240

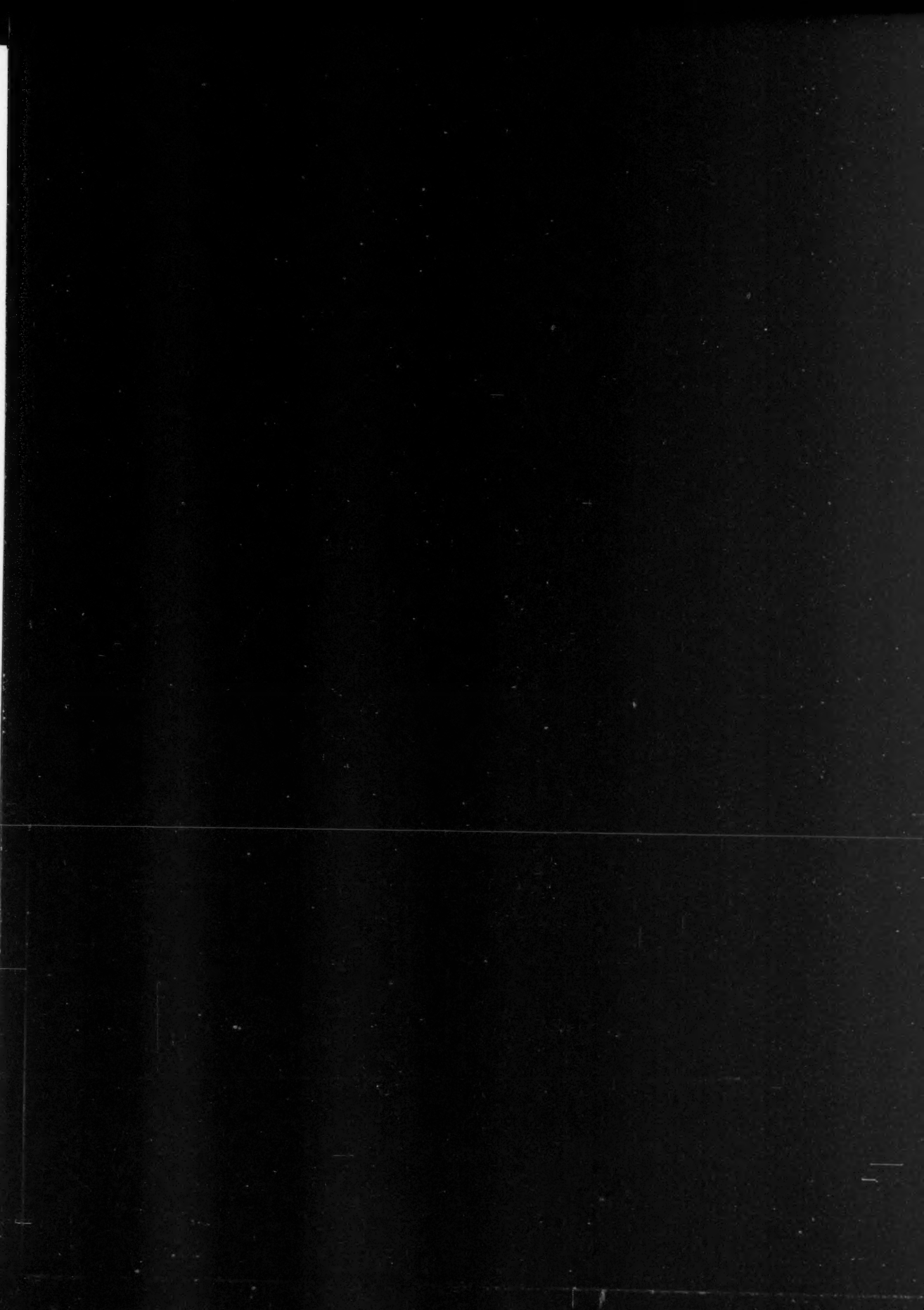
Quantum-wells 95

Radio-frequency properties 118
Rare earth compounds 183
Rare earth intermetallics 272
Rare earth orthoferrites 11
Rare earth valence 245
Rare earth-transition metal alloys 395
Redox titration 417
Remanent magnetization 39
Right-handed material 155

Saturation magnetization 193
SDW soliton wall 39
Shape amplitude L1
Shape anisotropy 71, 240
Short range SDW order 39
Single crystals 254, 379
Skutterudites 245
Solid solutions 11
Solitons 50
Sol–gel process 343
Spin clusters 386
Spin density wave 39
Spin dynamics 79
Spin glass 439
Spin-dependent tunneling 353
Spin-disorder 204
Spin-glass 386
Spontaneous spin reorientation 11
Sputtering 443
Strip casting 23
Substitution effects 450
Superparamagnetic 65
Surface magnetism 210
Susceptibility 95
Synthesis 401

TEM 177
Tensile fracture 71
Thermal expansion 395
Thin films 95, 279
Thin films—ferromagnetic 314
Thin magnetic films 79
Thulium compounds 254
$Ti(Fe_{1-x}Co_x)_2$ 28
$Ti(Fe_{1-x}Mn_x)_2$ 28
$Ti(Fe_{1-x}Ni_x)_2$ 28

Ultrasound 353

Vibrating sample magnetometry 303

X-ray diffraction 193